

DOCKET NO.: ELSE-0818/E20030090

PATENT

2829



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Rodney C. Hemminger, et al.

Confirmation No.: 4421

Patent No.: 6,940,268-B2

Issued: September 6, 2005

Application No.: 10/618,129

Filing Date: July 11, 2003

For: Apparatus For Metering At Least One Type Of Electrical Power Over A Predetermined Range Of Service Voltages

DATE OF DEPOSIT: 11/29/05

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

TYPED NAME: Vincent J. Roccia  
REGISTRATION NO.: 43,887

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT FOR PTO  
MISTAKE PURSUANT TO 37 CFR § 1.322(a)**

It is respectfully requested that a Certificate of Correction be issued for the above-identified patent. In accordance with 37 CFR § 1.322(a), the patent has errors in it that occurred through the fault of the Patent and Trademark Office as clearly disclosed by the records and files of the office.

Several references submitted in the Information Disclosure Statement of October 14, 2004 were not printed on the issued patent.

**U.S. PATENT REFERENCES**

The PTO failed to list any of the U.S. patent references cited in the **Information Disclosure Statement filed October 14, 2003 [Refs 1-10; 16-25; 31-40; 44-160]**. Those references were reviewed and initialed by the Examiner. [See initialed 1449's dated August 12, 2004 - Attachment 1 hereto].

Certificate  
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of Correction

In the Notice of Allowance dated March 10, 2005, the Examiner again initialed the 1449 forms from the IDS filed on October 14, 2003 [See PTO 1449's dated March 3, 2005, Attachment 2 hereto], crossing out the U.S. patent references, only because such references had been previously considered. In his *Comments On Information Disclosure Statement* (p. 3), the Examiner stated, "**In the IDS filed October 14, 2003, and attached hereto, each U.S. Patent cited has been crossed through as these were previously considered in the Office Action mailed on August 23, 2004.**" (emphasis added). A copy of the Examiner's remarks is enclosed [Attachment 3 hereto].

### **NON-PATENT REFERENCES**

In addition, several non-patent references submitted in the IDS of October 14, 2004 were not printed on the issued patent, even though these references were reviewed and initialed by the Examiner.

### **CHART OF REFERENCES FOR THE CONVENIENCE OF THE PATENT OFFICE**

Below, for the convenience of the Patent Office, is a chart which shows where omitted references were originally cited and the date of the initialed 1449's, evidencing the Examiner's review of said references.

<b>Cited Non-Patent Reference</b>	<b>IDS Reference Number in IDS Dated 10/14/2004</b>	<b>Evidence of Examiner's Review and Initialization</b>
Summer, S.E. et al., "Wide Input Range Multiple Output Power Supply, <i>PCI</i> , <b>April 1983</b>	Reference # 201	Initialed by Examiner 8/12/2004
RM-10 Metronic Portable atthour Standard-Operations Manual Revisions E, <b>February 1990</b> , Radian Research, Inc. Power and Energy Measurement Specialists	Reference #202	Initialed by Examiner 8/12/2004
RM-10, RM-12, RM-15 Operations Manual, <b>December 1998</b> , Radian Research, Inc.	Reference #203	Initialed by Examiner 8/12/2004
Quantum ST-Q121 Electronic Meter, Product Bulletin 10254, <b>Effective Date October 1990</b> , pages 1-22	Reference #231	Initialed by Examiner 8/12/2004

Cited Non-Patent Reference	IDS Reference Number in IDS Dated 10/14/2004	Evidence of Examiner's Review and Initialization
Quantum Q101 Series Electronic Meter, Product Bulletin 10253, <b>Effective Date June 1991</b> , 20 pages	Reference #233	Initalled by Examiner 8/12/2004
In the Matter of Australian Patent Application No. 688711 in the name of ABB Power T&D Company Inc. and In the Matter of Opposition Thereto by Electrowatt Technology Innovation Corporation, "Statement of Grounds and Particulars In Support of Opposition, <b>August 12, 1998</b>	Reference #169	Initalled by Examiner 3/3/2005
U.S. Patent References	References # 1-10; 16-25; 31-40; 44-160	Initalled by Examiner 8/12/2004

Applicants respectfully request that each of these references be listed on a Certificate of Correction.

Enclosed herewith please find are completed Certificate of Correction forms.

Since the errors are not due to applicants' mistake, no correction fee is due. Please charge any fees for copies and any additional fees to our Deposit Account No. 23-3050. This letter is enclosed in duplicate.

Date:

11/29/05



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PATENT NO : 6,940,268 B2  
 DATED : September 6, 2005  
 INVENTOR(S): Hemminger et al.

2,724,821	11/1955	E.Q. Schweitzer, Jr.	
3,794,917	2//1974	Martin et al	324/142
3,806,875	4/1974	Georget	340/870.02
3,826,985	7/1974	Wiley	324/173
3,976,941	8/1976	Milkovic	324/142
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4,034,292	7/1977	McClelland, III	324/157
4,077,061	2/1978	Johnston et al.	364/483
4,092,592	5/1978	Milkovic	324/142
4,096,436	6/1978	Cook et al.	324/142
4,119,948	10/1978	Ward et al.	340/151
4,120,031	10/1978	Kincheloe et al.	364/464
4,131,844	12/1978	Hucker et al.	323/045
4,156,273	5/1979	Sato	363/056
4,156,931	5/1979	Adelman et al.	364/900
4,156,932	5/1979	Robinson et al.	364/200
4,158,810	6/1979	Leskovar	324/127
4,186,339	1/1980	Finger	324/142
4,209,826	6/1980	Priegnitz	363/021
4,213,119	7/1980	Ward et al.	340/151
4,283,772	8/1981	Johnston	364/900
4,291,375	9/1981	Wolf	364/483
4,298,839	11/1981	Johnston	324/157
4,301,508	11/1981	Anderson et al.	364/483
4,315,248	2/1982	Ward	340/151
4,335,445	6/1982	Nercessian	364/900
4,355,361	10/1982	Riggs et al.	364/464
4,359,684	11/1982	Ley	324/142
4,361,877	11/1982	Dyer et al.	364/900
4,378,524	3/1983	Steinmuller	324/107

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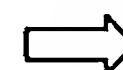
4,389,702	6/1983	Clemente et al.	363/021
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4,241,237	12/1980	Paraskevagos et al.	379/106.06
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4,007,061	2/1977	LeCoturier	136/221
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4,096,436	6/1978	Cook et al.	324/142
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4,120,031	10/1978	Kincheloe et al.	364/464
4,131,844	12/1978	Hucker et al.	323/045
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4,156,931	5/1979	Adelman et al.	364/900
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4,158,810	6/1979	Leskovar	324/127
4,186,339	1/1980	Finger	324/142
4,209,826	6/1980	Priegnitz	363/021
4,213,119	7/1980	Ward et al.	340/151
4,283,772	8/1981	Johnston	364/900
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4,315,248	2/1982	Ward	340/151
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4,355,361	10/1982	Riggs et al.	364/464
4,359,684	11/1982	Ley	324/142
4,361,877	11/1982	Dyer et al.	364/900
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 INVENTOR(S): Hemminger et al.

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PATENT NO. 6,940,268 B2

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**DEC 07 2005**

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,940,268 B2  
 DATED : September 6, 2005  
 INVENTOR(S): Hemminger et al.

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# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

PATENT NO : 6,940,268 B2  
 DATED : September 6, 2005  
 INVENTOR(S): Hemminger et al.

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# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

PATENT NO : 6,940,268 B2  
 DATED : September 6, 2005  
 INVENTOR(S) : Hemminger et al.

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO : 6,940,268 B2  
DATED : September 6, 2005  
INVENTOR(S): Hemminger et al.

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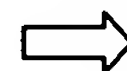
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PATENT NO. 6,940,268 B2

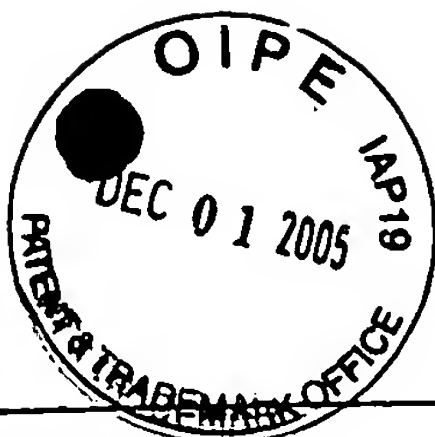
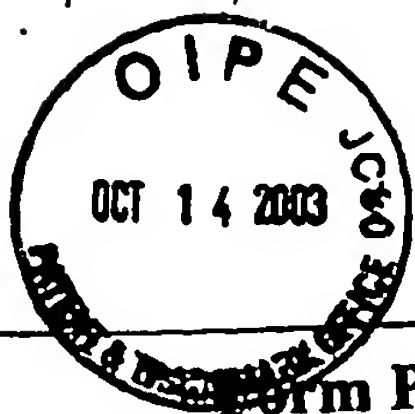
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
	Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b> <i>28729</i>

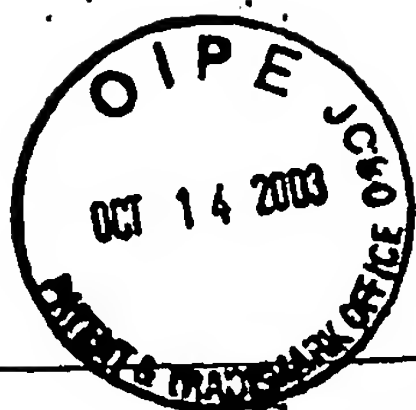
**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>RK</i>	1	2,724,821	11/22/55	E.Q. Schweitzer, Jr.		
<i>RK</i>	2	3,794,917	2/26/1974	Martin et al.		
<i>RK</i>	3	3,806,875	4/23/1974	Georget		
<i>RK</i>	4	3,826,985	7/30/1974	Wiley		
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<i>RK</i>	8	4,077,061	2/28/1978	Johnston et al.		
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Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	11	0 288 413 A1	10/1988	EPO	x	
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	13	1 239473	9/1989	JP	Abstract	
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
	Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b> 2829

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>RK</i>	16	4,119,948	10/10/1978	Ward et al.		
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Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	26	2 095 879	1/1982	Great Britain		
	27	61 11680	1/1986	JP	Abstract	
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
	Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b> <i>2879</i>

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Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>RK</i>	31	4,283,772	8/11/1981	Johnston		
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					YES	NO
	41	EP 0 092 303 B1	10/86	EPO	x	
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	43	WO 86/05887	10/1986	WO	x	

EXAMINER *[Signature]*DATE CONSIDERED *8-12-04*



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
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**U. S. PATENT DOCUMENTS**

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<i>RK</i>	44	4,389,702	6/21/1983	Clemente et al.		
<i>RK</i>	45	4,399,510	8/16/1983	Hicks		
<i>RK</i>	46	4,407,061	10/4/1983	Grodziewicz et al.		
<i>RK</i>	47	4,415,853	11/15/1983	Fisher		
<i>RK</i>	48	4,420,721	12/13/1983	Dorey et al.		
<i>RK</i>	49	4,422,039	12/20/1983	Davis		
<i>RK</i>	50	4,437,059	3/13/1984	Hauptmann		
<i>RK</i>	51	4,438,485	3/20/1984	Voigt		
<i>RK</i>	52	4,439,764	3/27/1984	York et al.		
<i>RK</i>	53	4,467,434	8/21/1984	Hurley et al.		

**FOREIGN PATENT DOCUMENTS**

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					YES	NO

EXAMINER *[Signature]*DATE CONSIDERED **8-12-04**



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
	Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b> <b>2829</b>

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>RK</i>	54	4,489,384	12/18/1984	Hurley et al.		
<i>RK</i>	55	4,497,017	1/29/1985	Davis		
<i>RK</i>	56	4,509,128	4/2/1985	Coppola et al.		
<i>RK</i>	57	4,516,213	5/7/1985	Gidden		
<i>RK</i>	58	4,542,469	9/17/1985	Brandyberry et al.		
<i>RK</i>	59	4,566,060	1/21/1986	Hoeksma		
<i>RK</i>	60	4,581,705	4/8/1986	Gilker et al.		
<i>RK</i>	61	4,600,881	7/15/1986	LaRocca et al.		
<i>RK</i>	62	4,607,320	8/19/1986	Matui et al.		
<i>RK</i>	63	4,621,330	11/4/1986	Weikel		

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
<b>EXAMINER</b> <i>[Signature]</i>				<b>DATE CONSIDERED</b> <b>8-12-04</b>		





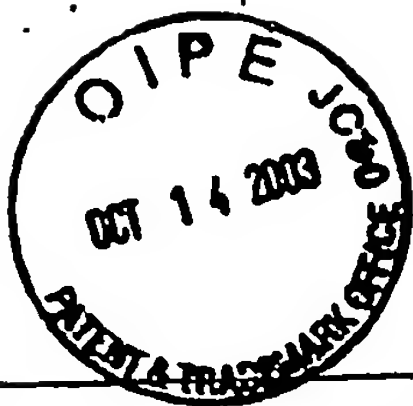
<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
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<i>RK</i>	64	4,622,627	11/11/1986	Rodriguez et al.		
<i>RK</i>	65	4,623,960	11/18/1986	Eng		
<i>RK</i>	66	4,642,634	2/10/1987	Gerri et al.		
<i>RK</i>	67	4,646,084	2/24/1987	Burrowes et al.		
<i>RK</i>	68	4,686,460	8/11/1987	Stevens et al.		
<i>RK</i>	69	4,692,874	9/8/1987	Mihara		
<i>RK</i>	70	4,697,180	9/29/1987	Swanson		
<i>RK</i>	71	4,700,280	10/13/1987	Onda et al.		
<i>RK</i>	72	4,701,858	10/20/1987	Stokes et al.		
<i>RK</i>	73	4,713,608	12/15/1987	Catiller et al.		

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Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
	Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b> <b>2829</b>

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Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>RK</i>	74	4,754,219	6/28/1988	Milkovic		
<i>RK</i>	75	4,757,456	7/12/1988	Benghiat		
<i>RK</i>	76	4,761,725	8/2/1988	Henze		
<i>RK</i>	77	4,794,369	12/27/1988	Haferd		
<i>RK</i>	78	4,803,632	2/7/1989	Frew et al.		
<i>RK</i>	79	4,814,757	3/21/1989	Patterson et al.		
<i>RK</i>	80	4,831,327	5/16/1989	Chénier et al.		
<i>RK</i>	81	4,853,620	8/1/1989	Halder et al.		
<i>RK</i>	82	4,862,493	8/29/1989	Venkataraman et al.		
<i>RK</i>	83	4,866,587	9/12/1989	Wadlington		

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<i>RK</i>	85	4,881,070	11/14/1989	Burrowes et al.		
<i>RK</i>	86	4,884,021	11/28/1989	Hammond et al.		
<i>RK</i>	87	4,896,106	1/23/1990	Voisine et al.		
<i>RK</i>	88	4,902,964	2/20/1990	Szabela et al.		
<i>RK</i>	89	4,902,965	2/20/1990	Bodrug et al.		
<i>RK</i>	90	4,908,569	3/13/1990	Fest		
<i>RK</i>	91	4,908,769	3/13/1990	Vaughan et al.		
<i>RK</i>	92	4,922,187	5/1/1990	Beverly, II		
<i>RK</i>	93	4,922,399	5/1/1990	Tsuzuki		

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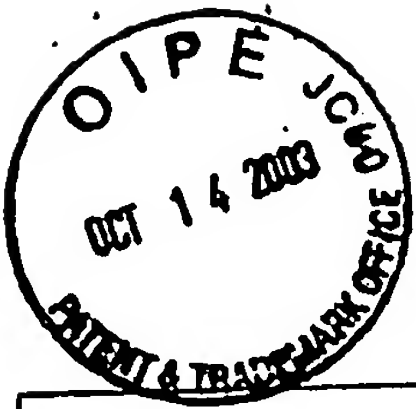
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<i>RK</i>	95	4,949,029	8/14/1990	Cooper et al.		
<i>RK</i>	96	4,951,052	8/21/1990	Jacob et al.		
<i>RK</i>	97	4,956,761	9/11/1990	Higashi		
<i>RK</i>	98	4,975,592	12/4/1990	Hahn et al.		
<i>RK</i>	99	4,977,368	12/11/1990	Munday et al.		
<i>RK</i>	100	4,978,911	12/18/1990	Perry et al.		
<i>RK</i>	101	4,998,061	3/5/1991	Voisine et al.		
<i>RK</i>	102	4,999,569	3/12/1991	Weikel		
<i>RK</i>	103	5,010,335	4/23/1991	Coppola et al.		

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<i>RK</i>	105	5,017,860	5/21/1991	Germer et al.		
<i>RK</i>	106	5,019,955	5/28/1991	Hoeksma		
<i>RK</i>	107	5,032,785	7/16/1991	Mathis et al.		
<i>RK</i>	108	5,059,896	10/22/1991	Germer et al.		
<i>RK</i>	109	5,122,735	6/16/1992	Porter et al.		
<i>RK</i>	110	5,140,511	8/18/1992	Lee et al.		
<i>RK</i>	111	5,151,866	9/29/1992	Glaser et al.		
<i>RK</i>	112	5,153,837	10/6/1992	Shaffer et al.		
<i>RK</i>	113	5,173,657	12/22/1992	Holdsclaw		

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					YES	NO

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<i>RK</i>	115	5,181,026	1/19/1993	Granville		
<i>RK</i>	116	5,184,064	2/2/1993	Vicknair et al.		
<i>RK</i>	117	5,229,713	7/20/1993	Bullock et al.		
<i>RK</i>	118	5,245,275	9/14/1993	Germer et al.		
<i>RK</i>	119	5,268,633	12/7/1993	Balch		
<i>RK</i>	120	5,270,958	12/14/1993	Dastous		
<i>RK</i>	121	5,287,287	2/15/1994	Chamberlain et al.		
<i>RK</i>	122	5,296,803	3/22/1994	Kirby et al.		
<i>RK</i>	123	5,315,527	5/24/1994	Beckwith		

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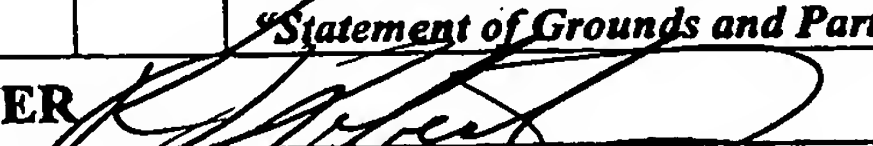


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<i>RK</i>	124	5,325,051	6/28/1994	Germer et al.			
<i>RK</i>	125	5,391,983	2/21/1995	Lisignan et al.			
<i>RK</i>	126	5,457,621	10/10/1995	Munday et al.			
<i>RK</i>	127	5,495,167	2/27/96	Cotroneo			
<i>RK</i>	128	5,537,029	7/16/1996	Hemminger et al.			
<i>RK</i>	129	5,539,304	7/23/96	Payne et al.			
<i>RK</i>	130	5,544,089	8/6/1996	Hemminger et al.			
<i>RK</i>	131	5,548,209	8/20/1996	Lusignan et al.			
<i>RK</i>	132	5,548,527	8/20/1996	Hemminger et al.			
<i>RK</i>	133	5,555,508	9/10/1996	Munday et al.			
<i>RK</i>	134	5,903,145	5/11/1999	Hemminger et al.			
<i>RK</i>	135	6,229,295 B1	5/8/2001	Hemminger et al.			
	136	5,621,629	04/97	Hemminger, et al.	363	56	
		<i>Duplicate</i>					
<i>RK</i>	137	6,097,182	08/00	Hemminer, et al.	324	142	
<i>RK</i>	138	5,742,151	04/98	Hwang	323	222	
<i>RK</i>	139	5,808,455	09/98	Schwartz, et al.	323	271	
<i>RK</i>	140	3,569,818	03/71	Dahlinger, et al	363	21.12	
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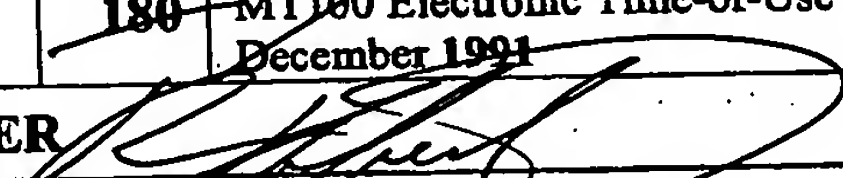
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				Filing Date <b>July 11, 2003</b>	Group <del>Not Yet Assigned</del> <b>2829</b>	
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<i>RK</i>	141	4,241,237	12/23/80	Paraskevagos, et al.	379	106.06
<i>RK</i>	142	4,335,447	06/15/82	Jerrim	714	22
<i>RK</i>	143	4,455,453	06/19/84	Paraskevagos, et al.	379	106.06
<i>RK</i>	144	4,620,150	10/28/86	Germer, et al.	324	103.12
<i>RK</i>	145	4,639,728	01/27/87	Swanson	340	870.03
<i>RK</i>	146	4,682,169	07/21/87	Swanson	379	102.07
<i>RK</i>	147	4,697,181	09/29/87	Swanson	340	870.02
<i>RK</i>	148	4,697,182	09/29/87	Swanson	340	870.02
<i>RK</i>	149	4,804,957	02/14/89	Selph, et al.	340	870.03
<i>RK</i>	150	4,999,572	03/12/91	Bickford, et al.	324	103R
<i>RK</i>	151	5,146,394	09/08/92	Ishii, et al.	363	16
<i>RK</i>	152	5,237,511	08/17/93	Caird, et al.	702	58
<i>RK</i>	153	5,289,115	02/22/94	Germer, et al.	324	107
<i>RK</i>	154	5,469,049	11/21/95	Briese, et al.	324	76.77
<i>RK</i>	155	5,471,137	11/28/95	Briese, et al.	324	158.1
<i>RK</i>	156	5,537,333	07/16/96	Hemminger, et al.	702	60
<i>RK</i>	157	5,621,629	04/15/97	Hemminger, et al.	363	56.1
<i>RK</i>	158	5,631,554	05/20/97	Briese, et al.	324	76.77
<i>RK</i>	159	5,631,843	05/20/97	Munday, et al.	700	286
<i>RK</i>	160	5,691,634	11/25/97	Lowe	324	107
<b>EXAMINER</b> <i>R. Hemminger</i>				<b>DATE CONSIDERED</b> <i>8-12-04</i>		



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<del>162</del>	<del>G.A. Kingston, et al., "Multi Function Polyphase Metering - An Integrated Approach," Schlumberger Industries Electricity Management, UK</del>	
<del>163</del>	<del>Garverick, Steven L., et al., "A Programmable Mixed-Signal ASIC of Power Metering," ISSCC91/Session 2/Low-Temperature Circuits and Special-Purpose Processors/Paper WP 2.4, IEEE International Solid-State Circuits Conference, 1991</del>	
<del>164</del>	<del>Garverick, Steven L., et al., "A Programmable Mixed-Signal ASIC for Power Metering," IEEE Journal of Solid-State Circuits, Vol. 26, No. 12, December 1991</del>	
<del>165</del>	<del>GOW, J., Electrical Metering Practices, 1973 - Copy of Reference not available</del>	
<del>166</del>	<del>H. Kohler, "Elektronischer Hochprazisionzahler im 19-Zoll-Einbaugheuse fur Wirkverbrauch-und Blindverbrauchzuehlung," Siemens Magazine, pp. 345-349, 1977</del>	
<del>167</del>	<del>Handbook for Electricity Metering, 1981 - Copy of Reference not available</del>	
<del>168</del>	<del>HP Eggenberger, "Ein Elektronischer Elektrizitatszahler fur Wir-und Blindverbrauch," Neue Zurcher Zeitung, September 6, 1989</del>	
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*No Document<sup>cited</sup> on this sheet  
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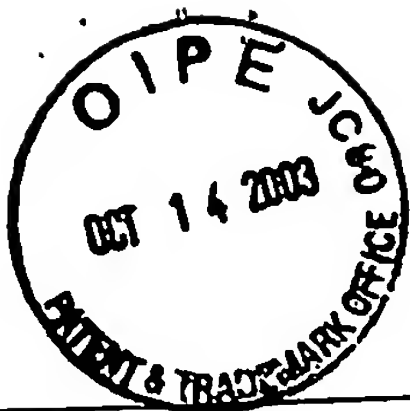



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<del>173</del>	<del>Landis &amp; Gyr, Bulletin 930 SSM2 Instruction/Technical Manual Polyphase Solid State Meter, Landis &amp; Gyr, Lafayette, Indiana, (date unavailable)</del>	
<del>174</del>	<del>Landis &amp; Gyr, ZMA110m402 - Solid State Precision Meter IEC Class 1.0</del>	
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<del>177</del>	<del>Lester, G., "A Communications Protocol For Reading and Programming Electronic Metering Devices From Hand Held Units," GEC Meters, UK</del>	
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<del>179</del>	<del>McGrath, Donald T, Signal Processing Considerations in Power Management Applications, GE Corporate Research and Development, 1991</del>	
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	<del>185</del>	<del>Product Brochure: "KVI Polyphase Combination Meter," Dated July 1988</del>
	<del>186</del>	<del>Progress in the Art of Metering Electric Energy," Institute of Electrical &amp; Electronic Engineers, Electricity Metering Subcommittee, 1969</del>
	<del>187</del>	<del>QUAD4® Plus Multifunction Electronic Meter, User's Guide, Document A-117350, Revision L., Process Systems, Charlotte, NC, 1993</del>
	<del>188</del>	<del>Quantum Multi-Function Polyphase Meter Type SQ400, Preliminary Instruction Manual Draft III, March 1983</del>
	<del>189</del>	<del>Quantum Technical Guide, July 1989</del>
	<del>190</del>	<del>Quantum Electronic Meter Field Reference Manual For Q101, Q111, Q121 Q200, Q210, Q220 and Q230 Electronic Meters, Schlumberger Industries, prior to 1991</del>
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	<b>192</b>	<del>ST-DS130 Recorder Module Product Bulletin 13157, Schlumberger Industries, September 1988.</del>
	<b>193</b>	<del>ST-Q101 Series Electronic Meter, Product Bulletin 10253, Schlumberger Industries, Sept. 1988</del>
	<b>194</b>	<del>ST-Q200 Series System Measurement, Product Bulletin 10255, Schlumberger Industries, 1988</del>
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	<b>196</b>	<del>Su, Kendall L., "Fundamentals of Circuits, Electronics and Signal Analysis," Georgia Institute of Technology, Atlanta, GA, vol. 1, pp. 61-63, Dec. 1996</del>
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	<b>198</b>	<del>Three-Phase, Watt-Hour Meter IC, Electronic Design, February 23, 1989</del>
	<b>199</b>	<del>Usenko, VV et al. "Meter For Recording the Energy of Single and Rarely Repeating Ultrahigh Energy Pulses," Radiotekhnika, Kharkov, Ukrainian SSR, No. 86, pp. 44-48, 1988, 2 REF</del>
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<i>RK</i>	202	RM-10 Metronic Portable Watthour Standard-Operations Manual Revisions E, February 1990, Radian Research, Inc., Power and Energy Measurement Specialists	
<i>RK</i>	203	RM-10, RM-12, RM-15 Operations Manual, Radian Research, Inc. (December 1998)	
—	204	<del>Memorandum Order (Claim Construction)- In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Civil Action No. 01-077-SLR, March 27, 2003</del>	
—	205	<del>Complaint for Patent Infringement of U.S. Patent Nos. 5,548,527, 5,555,508, 5,457,621, 5,621,629, 5,903,145, and 6,097,182 and for Declaratory Judgment of Non-Infringement and Invalidity of U.S. Patent Nos. 5,469,049, 5,471,137, and 5,631,554, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, February 12, 2001</del>	
—	206	<del>First Amended Complaint for Patent Infringement and for Declaratory Judgment of Non-Infringement, Invalidity and/or that Schlumberger is not Entitled to Relief, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, June 12, 2001</del>	
—	207	<del>Answer and Affirmative Defense to First Amended Complaint and Counterclaims for Declaratory Judgment of Non-Infringement, Invalidity and/or Unenforceability and for Patent Infringement, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, July 2, 2001</del>	
—	208	<del>Answer and Affirmative Defenses to Second Amended Complaint and Counterclaims for Declaratory Judgment of Non-Infringement, Invalidity, and/or Unenforceability and for Patent Infringement, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, August 8, 2001</del>	
—	209	<del>Reply and Affirmative Defenses to Schlumberger's Counterclaims Filed In Response to ABB's Second Amended Complaint, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, August 21, 2001</del>	
<b>EXAMINER</b> <i>[Signature]</i>		<b>DATE CONSIDERED</b> <b>8-12-04</b>	



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
	Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b> <i>2879</i>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
<del>210</del>	<del>ABB's First Set of Interrogatories (Nos. 1-22), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, September 14, 2001</del>	
<del>211</del>	<del>Schlumberger's First Set of Interrogatories to Plaintiff, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-077, September 21, 2001</del>	
<del>212</del>	<del>Schlumberger's Answers to ABB's First Set of Interrogatories (Numbers 1-22), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, November 1, 2001</del>	
<del>213</del>	<del>ABB's Response and Objections to Schlumberger's First Set of Interrogatories (Nos. 1-29), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, November 7, 2001</del>	
<del>214</del>	<del>Schlumberger's First Supplemental Answers to ABB's First Set of Interrogatories (Numbers 1-22), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, November 29, 2001</del>	
<del>215</del>	<del>Schlumberger's Second Set of Interrogatories to Plaintiff, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, December 12, 2001</del>	
<del>216</del>	<del>ABB's First Supplemental Responses and Objections to Schlumberger's First Set of Interrogatories (Nos. 1-29), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, January 23, 2002</del>	
<del>217</del>	<del>Schlumberger's Second Supplemental Answers to ABB's First Set of Interrogatories (Numbers 1-22), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, January 29, 2002</del>	
<del>218</del>	<del>Schlumberger's Third Set of Interrogatories to Plaintiff, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, February 18, 2002</del>	
<del>219</del>	<del>Reply and Affirmative Defenses to Schlumberger's Amended-Counterclaims Filed in Response to ABB's Second Amended Complaint, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, February 20, 2002</del>	
EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>8-12-04</i>	

*No Document cited on this sheet has been considered. pk*  
*8-17-04*



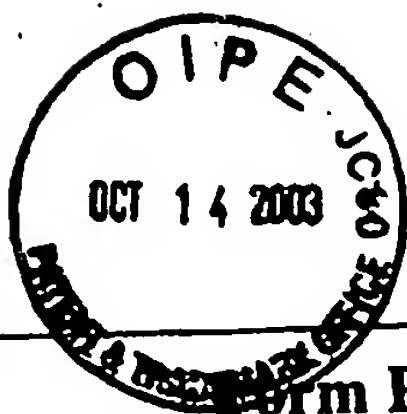
<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
	Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b> <b>2829</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
	<del>220</del>	<del>Schlumberger's Answers to ABB's Second Set of Interrogatories (Number 23), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, July 16, 2002</del>
	<del>221</del>	<del>ABB's Second Supplemental Responses and Objections to Schlumberger's First Set of Interrogatories (Nos. 1-29), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, March 18, 2002</del>
	<del>222</del>	<del>ABB's First Supplemental Responses and Objections to Schlumberger's Second Set of Interrogatories (Nos. 30-31), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, March 18, 2002</del>
	<del>223</del>	<del>ABB's Response and Objections to Schlumberger's Third Set of Interrogatories (No. 32), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, March 25, 2002</del>
	<del>224</del>	<del>ABB's Second Set of Interrogatories (No. 23), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, June 19, 2002</del>
	<del>225</del>	<del>Videotaped Deposition upon Oral Examination of Glenn A. Mayfield (Including Exhibits), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, August 20, 2002</del>
	<del>226</del>	<del>ABB's Third Supplemental Responses and Objections to Schlumberger's First Set of Interrogatories (Nos. 1-29), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, September 5, 2002</del>
	<del>227</del>	<del>ABB's Final Supplemental Response and Objections to Schlumberger's Interrogatories, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, September 6, 2002</del>
	<del>228</del>	<del>ABB's Final Supplemental Response and Objections to Schlumberger's Interrogatories, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, September 6, 2002</del>
EXAMINER	DATE CONSIDERED <b>8-12-04</b>	

*No Document cited on this  
sheet has been considered. pk  
8-12-04*





<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
		Applicant <b>Rodney C. Hemminger, et al.</b>	
		Filing Date <b>July 11, 2003</b>	Group <b>Not Yet Assigned</b> <i>2879</i>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>229</b>	<del>Memorandum Order (Summary Judgment Ruling), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, March 27, 2003</del>	
<i>Rk</i>	<b>230</b>	<b>Schlumberger's Third Supplemental Answers to ABB's First Set of Interrogatories (Numbers 1-22), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, September 6, 2002</b>	
<i>Rk</i>	<b>231</b>	<b>Quantum® ST-Q121 Electronic Meter, Product Bulletin 10254, Effective Date October 1990, pages 1-22</b>	
<i>Rk</i>	<b>232</b>	<b>Quantum® Q200 Series System Measurement, Product Bulletin 10255, Effective Date November 1990, 25 pages</b>	
<i>Rk</i>	<b>233</b>	<b>Quantum® Q101 Series Electronic Meter, Product Bulletin 10253, Effective June 1991, 20 pages</b>	
	<b>234</b>	<del>Quantum® Technical Guide, July 1989</del>	
<i>Rk</i>	<b>235</b>	<b>Second Amended Complaint for Patent Infringement and for Declaratory Judgment of Non-Infringement, Invalidity and/or that Schlumberger is not Entitled to Relief, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, July 25, 2001</b>	
<b>EXAMINER</b> <i>[Signature]</i>		<b>DATE CONSIDERED</b> <i>8-12-04</i>	



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
	Filing Date <b>July 11, 2003</b>	Group <b>2829</b> Not Yet Assigned

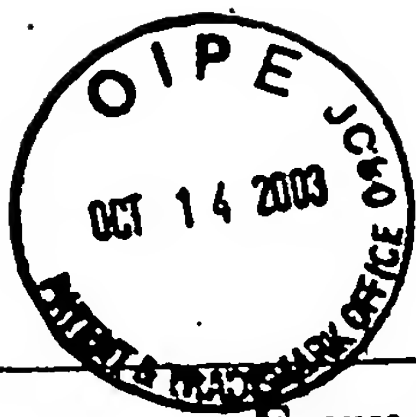
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	2	3,794,917	2/26/1974	Martin et al.		
	3	3,806,875	4/23/1974	Georget		
	4	3,826,985	7/30/1974	Wiley		
	5	3,976,941	8/24/1976	Milkovic		
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	7	4,034,292	7/5/1977	McClelland, III		
	8	4,077,061	2/28/1978	Johnston et al.		
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	10	4,096,436	6/20/1978	Cook et al.		

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					YES	NO
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<i>RK</i>	12	0 462 045 A1	12/1991	EPO	x	—
<i>RK</i>	13	1-239473	9/1989	JP	Abstract	—
<i>RK</i>	14	1-239474	9/1989	JP	Abstract	—
<i>RK</i>	15	1-239475	9/1989	JP	Abstract	—

EXAMINER *[Signature]*DATE CONSIDERED *3-3-05*



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
	Filing Date <b>July 11, 2003</b>	Group <b>2829</b> Not Yet Assigned

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	17	4,120,031	10/10/1978	Kincheloe et al.		
	18	4,131,844	12/26/1978	Hucker et al.		
	19	4,156,273	5/22/1979	Sato		
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	23	4,186,339	1/29/1980	Finger		
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					YES	NO
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<i>RK</i>	27	61-11680	1/1986	JP	Abstract	—
<i>RK</i>	28	61-284670	12/1986	JP	Abstract	—
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<i>RK</i>	30	68113/87	8/1987	Australia	x	—

EXAMINER *[Signature]*DATE CONSIDERED *3-3-05*





<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
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	Filing Date <b>July 11, 2003</b>	Group <b>2829</b> Not Yet Assigned

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	33	4,298,839	11/3/1981	Johnston		
	34	4,301,508	11/17/1981	Anderson et al.		
	35	4,315,248	2/9/1982	Ward		
	36	4,335,445	6/15/1982	Nereessian		
	37	4,355,361	10/19/1982	Riggs et al.		
	38	4,359,684	11/16/1982	Ley		
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	41	EP 0 092 303 B1	10/86	EPO	x	
	42	GB 2177 805 A	1/1987	Great Britain	x	
	43	WO 86/05887	10/1986	WO	x	

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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
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	45	4,399,510	8/16/1983	Hicks		
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Examiner Initial		Document No.	Date	Country	Translation	
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
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	55	4,497,017	1/29/1985	Davis		
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	57	4,516,213	5/7/1985	Gidden		
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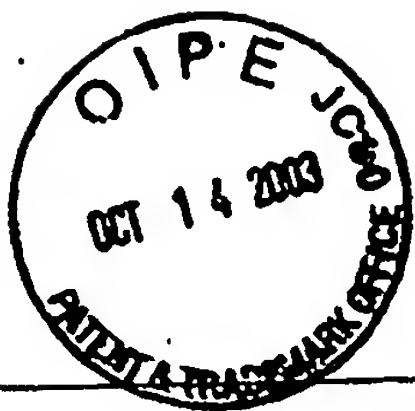
<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
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	Applicant <b>Rodney C. Hemminger, et al.</b>	
	Filing Date <b>July 11, 2003</b>	Group <b>2829</b> Not Yet Assigned

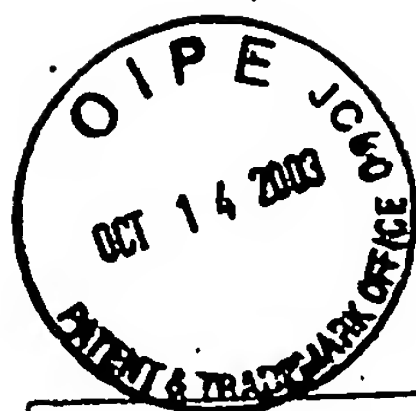
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	98	4,975,592	12/4/1990	Hahn et al.		
	99	4,977,368	12/11/1990	Munday et al.		
	100	4,978,911	12/18/1990	Perry et al.		
	101	4,998,061	3/5/1991	Voisine et al.		
	102	4,999,569	3/12/1991	Weikel		
	103	5,010,335	4/23/1991	Coppola et al.		

**FOREIGN PATENT DOCUMENTS**

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EXAMINER DATE CONSIDERED **3-3-05**

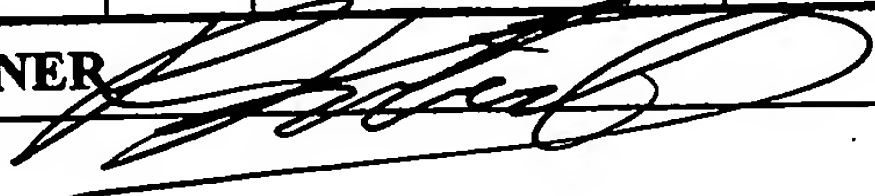


<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
	Filing Date <b>July 11, 2003</b>	Group <b>2829</b> Not Yet Assigned

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Examiner Initial		Document No.	Date	Name	Class	Subclass
	104	5,014,213	5/7/1991	Edwards et al.		
	105	5,017,860	5/21/1991	Gerner et al.		
	106	5,019,955	5/28/1991	Hoeksma		
	107	5,032,785	7/16/1991	Mathis et al.		
	108	5,059,896	10/22/1991	Gerner et al.		
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	110	5,140,511	8/18/1992	Lee et al.		
	111	5,151,866	9/29/1992	Glaser et al.		
	112	5,153,837	10/6/1992	Shaffer et al.		
	113	5,173,657	12/22/1992	Holdsclaw		

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
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	114	5,175,675	12/29/1992	Uramoto		
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	116	5,184,064	2/2/1993	Vicknair et al.		
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	125	5,391,983	2/21/1995	Lisignan et al.		
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	128	5,537,029	7/16/1996	Hemminger et al.		
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	135	6,229,295 B1	5/8/2001	Hemminger et al.		
	136	5,621,629	04/97	Hemminger, et al.	363	56
	137	6,097,182	08/00	Hemminer, et al.	324	142
	138	5,742,151	04/98	Hwang	323	222
	139	5,808,455	09/98	Schwartz, et al.	323	271
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				Filing Date July 11, 2003	Group <i>2829</i> Not Yet Assigned	
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	141	4,241,237	12/23/80	Paraskevatos, et al.	379	106.06
	142	4,335,447	06/15/82	Jerrim	714	22
	143	4,455,453	06/19/84	Paraskevatos, et al.	379	106.06
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	145	4,639,728	01/27/87	Swanson	340	870.03
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	152	5,237,511	08/17/93	Caird, et al.	702	58
	153	5,289,115	02/22/94	Germer, et al.	324	107
	154	5,469,049	11/21/95	Briese, et al.	324	76.77
	155	5,471,137	11/28/95	Briese, et al.	324	158.1
	156	5,537,333	07/16/96	Hemminger, et al.	702	60
	157	5,621,629	04/15/97	Hemminger, et al.	363	56.1
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	159	5,631,843	05/20/97	Munday, et al.	700	286
	160	5,691,634	11/25/97	Lowe	324	107
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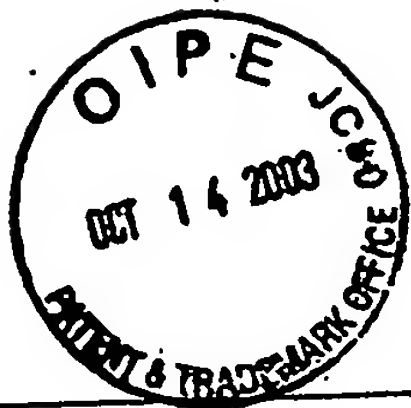


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<i>RK</i>	164	Garverick, Steven L, et al., "A Programmable Mixed-Signal ASIC for Power Metering," IEEE Journal of Solid-State Circuits, Vol. 26, No. 12, December 1991
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	166	<del>H. Kohler, "Elektronischer Hochprazisionzähler im 19-Zoll-Einbaugehäuse für Wirkverbrauch-und Blindverbrauchszählung," Siemens Magazine, pp. 345-349, 1977</del>
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<i>RK</i>	<b>172</b>	Landis & Gyr Bulletin 920 Instruction/Technical Manual, Solid State Meter Class 20, Form 9S, 1 <sup>st</sup> printing 3/87
<i>RK</i>	<b>173</b>	Landis & Gyr, Bulletin 930 SSM2 Instruction/Technical Manual Polyphase Solid State Meter, Landis & Gyr, Lafayette, Indiana, (date unavailable)
	<b>174</b>	Landis & Gyr, ZMA110m402 - Solid State Precision Meter IEC Class 1.0
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	<b>177</b>	Lester, G., "A Communications Protocol For Reading and Programming Electronic Metering Devices From Hand Held Units," GEC Meters, UK
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<i>AK</i>	<b>180</b>	MT100 Electronic Time-of-Use Register Instruction Manual 0505, Schlumberger Industries, December 1991
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	184	P.R. Hutt, et al, "Design, Benefits and Flexibility in Intelligent Metering Technology," Polymeters Limited, UK
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<i>RK</i>	193	ST-Q101 Series Electronic Meter, Product Bulletin 10253, Schlumberger Industries, Sept. 1988	
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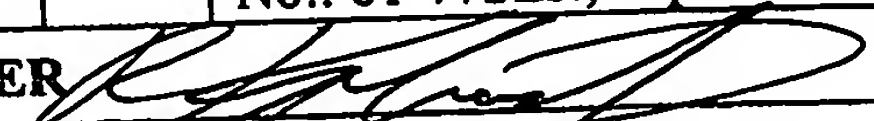
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202	<del>RM-10 Metronic Portable Watthour Standard-Operations Manual Revisions E, February 1990, Radian Research, Inc., Power and Energy Measurement Specialists</del>	
203	<del>RM-10, RM-12, RM-15 Operations Manual, Radian Research, Inc.</del>	
204	<del>Memorandum Order(Claim Construction)- In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Civil Action No. 01-077-SLR, March 27, 2003</del>	
205	<del>Complaint for Patent Infringement of U.S. Patent Nos. 5,548,527, 5,555,508, 5,457,621, 5,621,629, 5,903,145, and 6,097,182 and for Declaratory Judgment f Non-Infringement and Invalidity of U.S. Patent Nos. 5,469,049, 5,471,137, and 5,631,554, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, February 12, 2001</del>	
206	<del>First Amended Complaint for Patent Infringement and for Declaratory Judgment of Non-Infringement, Invalidity and/or that Schlumberger is not Entitled to Relief, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, June 12, 2001</del>	
207	<del>Answer and Affirmative Defense to First Amended Complaint and Counterclaims for Declaratory Judgment of Non-Infringement, Invalidity and/or Unenforceability and for Patent Infringement, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, July 2, 2001</del>	
208	<del>Answer and Affirmative Defenses to Second Amended Complaint and Counterclaims for Declaratory Judgment of Non-Infringement, Invalidity, and/or Unenforceability and for Patent Infringement, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, August 8, 2001</del>	
209	<del>Reply and Affirmative Defenses to Schlumberger's Counterclaims Filed in Response to ABB's Second Amended Complaint, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, August 21, 2001</del>	
EXAMINER 		DATE CONSIDERED <b>3-3-05</b>



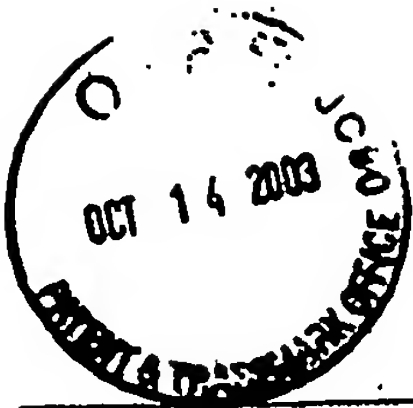


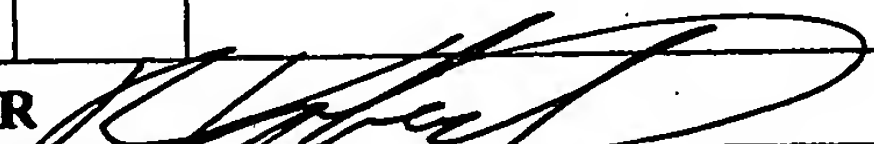
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<b>210</b>	<del>ABB's First Set of Interrogatories (Nos. 1-22), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, September 14, 2001</del>	
<b>211</b>	<del>Schlumberger's First Set of Interrogatories to Plaintiff, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-077, September 21, 2001</del>	
<b>212</b>	<del>Schlumberger's Answers to ABB's First Set of Interrogatories (Numbers 1-22), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, November 1, 2001</del>	
<b>213</b>	<del>ABB's Response and Objections to Schlumberger's First Set of Interrogatories (Nos. 1-29), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, November 7, 2001</del>	
<b>214</b>	<del>Schlumberger's First Supplemental Answers to ABB's First Set of Interrogatories (Numbers 1-22), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, November 29, 2001</del>	
<b>215</b>	<del>Schlumberger's Second Set of Interrogatories to Plaintiff, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, December 12, 2001</del>	
<b>216</b>	<del>ABB's First Supplemental Responses and Objections to Schlumberger's First Set of Interrogatories (Nos. 1-29), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, January 23, 2002</del>	
<b>217</b>	<del>Schlumberger's Second Supplemental Answers to ABB's First Set of Interrogatories (Numbers 1-22), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, January 29, 2002</del>	
<b>218</b>	<del>Schlumberger's Third Set of Interrogatories to Plaintiff, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, February 18, 2002</del>	
<b>219</b>	<del>Reply and Affirmative Defenses to Schlumberger's Amended-Counterclaims Filed in Response to ABB's Second Amended Complaint, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, February 20, 2002</del>	
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220	<del>Schlumberger's Answers to ABB's Second Set of Interrogatories (Number 23), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, July 16, 2002</del>	
221	<del>ABB's Second Supplemental Responses and Objections to Schlumberger's First Set of Interrogatories (Nos. 1-29), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, March 18, 2002</del>	
222	<del>ABB's First Supplemental Responses and Objections to Schlumberger's Second Set of Interrogatories (Nos. 30-31), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, March 18, 2002</del>	
223	<del>ABB's Response and Objections to Schlumberger's Third Set of Interrogatories (No. 32), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, March 25, 2002</del>	
224	<del>ABB's Second Set of Interrogatories (No. 23), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, June 19, 2002</del>	
225	<del>Videotaped Deposition upon Oral Examination of Glenn A. Mayfield (Including Exhibits), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, August 20, 2002</del>	
226	<del>ABB's Third Supplemental Responses and Objections to Schlumberger's First Set of Interrogatories (Nos. 1-29), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, September 5, 2002</del>	
227	<del>ABB's Final Supplemental Response and Objections to Schlumberger's Interrogatories, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, September 6, 2002</del>	
228	<del>ABB's Final Supplemental Response and Objections to Schlumberger's Interrogatories, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, September 6, 2002</del>	
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
<b>229</b>	<del>Memorandum Order(Summary Judgment Ruling), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, March 27, 2003</del>	
<b>230</b>	<del>Schlumberger's Third Supplemental Answers to ABB's First Set of Interrogatories (Numbers 1-22), In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, September 6, 2002</del>	
<b>231</b>	<del>Quantum® ST-Q121 Electronic Meter, Product Bulletin 10254, Effective Date October 1990, pages 1-22</del>	
<b>232</b>	<del>Quantum® Q200 Series System Measurement, Product Bulletin 10255, Effective Date November 1990, 25 pages</del>	
<b>233</b>	<del>Quantum® Q101 Series Electronic Meter, Product Bulletin 10253, Effective June 1991, 20 pages</del>	
<b>234</b>	<del>Quantum® Technical Guide, July 1989</del>	
<b>235</b>	<del>Second Amended Complaint for Patent Infringement and for Declaratory Judgment of Non-Infringement, Invalidity and/or that Schlumberger is not Entitled to Relief, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, July 25, 2001</del>	
<b>EXAMINER</b> 		
<b>DATE CONSIDERED</b> <b>3-3-05</b>		



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		Applicant <b>Rodney C. Hemminger, et al.</b>	
		Filing Date <b>July 11, 2003</b>	Group <b>2829</b>
		Confirmation No. <b>4421</b>	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
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<i>RK</i>	237	<del>In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, Deposition of Fred F. Schleifer, August 6, 2002, 1-168</del>	
<i>RK</i>	238	<del>In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, Deposition of Rodney Hemminger, Friday August 9, 2002, 253 pages</del>	
<i>RK</i>	239	<del>In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, Deposition of Scott Holdsclaw, Volume 1, August 21, 2002, 1-168 pages</del>	
<i>RK</i>	240	<del>In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, Deposition of Scott Holdsclaw, Volume II, August 22, 2002, 160-341</del>	
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<i>RK</i>	243	<del>In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, Videotaped Deposition of Raymond Schmitt, Wednesday October 2, 2002, 98 pages</del>	
<i>RK</i>	244	<del>In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, ABB'S Proposed Claims Construction for Disputed Terms of Schlumberger Patents, October 29, 2002, 1-24</del>	
<i>RK</i>	245	<del>In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, Oral Videotape Deposition of James K. Roberge, Wednesday November 6, 2002, 1-238</del>	
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
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<i>RK</i>	247	In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, Schlumberger's Proposed Claim Constructions of Schlumberger Asserted Patent Claims, November 1, 2002, 18 pages	
<i>RK</i>	248	In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, ABB'S Proposed Claims Construction for Disputed Terms of ABB Patents, November 4, 2002, 16 pages	
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<i>RK</i>	250	In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, Schlumberger's Memorandum in Support of Motion for Summary Judgment of Non-Infringement of Asserted Claims in U.S. Patent No. 5,903,145, December 5, 2002, 29 pages	
<i>RK</i>	251	In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, Schlumberger's Memorandum in Support of Motion for Summary Judgment of Non-Infringement of Asserted Claims in U.S. Patent No. 5,555,508, December 5, 2002, 18 pages	
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>ELSE-0818</b>	Application No. <b>10/618,129</b>
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
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<i>RK</i>	262	In the <del>United States</del> District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, <b>Appendix-Volume I, ABB'S Memorandum Regarding Claim Construction of the ABB Patents, December 6, 2002, With attached Exhibits 1 thru 6</b>	
<i>RK</i>	263	In the <del>United States</del> District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, <b>Appendix-Volume II, ABB'S Memorandum Regarding Claim Construction of the ABB Patents, December 6, 2002, With attached Exhibits 7 thru 8</b>	
<i>RK</i>	264	In the <del>United States</del> District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, <b>Appendix-Volume III, ABB'S Memorandum Regarding Claim Construction of the ABB Patents, December 6, 2002, With attached Exhibits 9 thru 10</b>	
<i>RK</i>	265	In the <del>United States</del> District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, <b>Appendix-Volume IV, ABB'S Memorandum Regarding Claim Construction of the ABB Patents, December 6, 2002, With attached Exhibits 11 thru 24</b>	
<i>RK</i>	266	In the <del>United States</del> District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, <b>Schlumberger's Motion for Summary Judgment of Invalidity of the Asserted Claims in U.S. Patent No. 5,457,621, December 6, 2002, 15 pages</b>	
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<i>RK</i>	274	In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, <b>Order-Granting in part, Denying in Part, March 27, 2003, 3 pages</b>	
<i>RK</i>	275	In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, <b>ABB's Motion for Reargument and Reconsideration of the Construction of the "Logic For" Limitations of Schlumberger's 049 and 554 Patents, April 9, 2003, With attached Exhibits 1 thru 7,</b>	
<i>RK</i>	276	In the United States District Court for the District of Delaware, Case No.: 01-77 SLR, ABB Automation, Inc., V. Schlumberger Resource Management, <b>ABB'S Motion for Reargument and to Alter Judgment with Respect to the March 27, 2003 Opinion and Order Granting Summary Judgment of Invalidity of Claims 1 and 13 of the 621 Patent and the Court's Construction of the Phase "A Controller... Generating said Control Signal in Response to the Output of Said Power Supply", April 9, 2003, With Attached Exhibits 1 thru 3</b>	
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EXAMINER <i>[Signature]</i>		DATE CONSIDERED <i>3-3-05</i>	

***Reasons For Allowance***

1. The following is an examiner's statement of reasons for allowance:

An electrical energy meter comprising:

At least one resistive voltage divider capable of scaling a wide range of service voltages to provide a scaled voltage wherein the scaled voltage does not exceed a maximum peak-to-peak value for any received service voltage; and

A power supply capable of receiving any service voltage in the wide range of service voltages and producing therefrom a supply voltage used within the electrical energy meter; as further described in claim 7 has not been found in light of Applicants' arguments filed December 27, 2004 that place emphasis on intended use recitations and functional language as providing additional structure resulting in a structural difference between the claimed invention and the prior art (MPEP 2111.02). Specifically, the limitation of the "resistive voltage divider capable of scaling a wide range of service voltages to provide a scaled voltage wherein the scaled voltage does not exceed a maximum peak-to-peak value for any received service voltage," as emphasized by Applicants, is now considered a structural component of the claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Comments on Information Disclosure Statement***

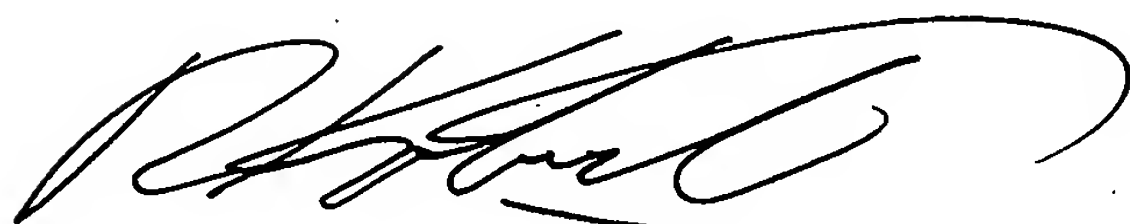
2. The information disclosure statement filed October 14, 2003 fails in-part to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the application file however each cited reference referred to therein that is not available to the Examiner has not been considered. The Examiner has considered each cited reference currently available from Applicants' parent applications in addition to that which is available from other electronic resources. Those references not available to the Examiner have been crossed through. In the IDS filed October, 14, 2003 and attached hereto, each U.S. Patent cited has been crossed through as these were previously considered in the Office Action mailed on August 23, 2004. Additionally, all references to Court Proceedings will not be published and as such those references have been crossed out however any reference to Court Proceedings, that has been considered, has been initialed

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Russell Kobert whose telephone number is (571) 272-1963.

The Examiner's Supervisor, Nestor R. Ramirez, can be reached at (571) 272-2034.

For an automated menu of Tech Center 2800 phone numbers call (571) 272-2800.



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Patent Examiner  
Group Art Unit 2829  
March 3, 2005



VINH NGUYEN  
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A.4.2829  
03/04/05